

CALIFORNIA DIVISION OF MINES AND GEOLOGY
SUPPLEMENT NO. I TO FAULT EVALUATION REPORT FER-93

June 10, 1980

1. Name of faults.
Seal Cove and related faults.
2. Location of faults.
Southwest corner of Montara Mountain 7.5-minute quadrangle and
northwest corner of Half Moon Bay 7.5-minute quadrangle,
San Mateo County.
3. Reason for evaluation.
Supplementary information received following the completion of
FER-93, August 14, 1979.
4. List of references.
Bedrossian, T.L., 1979, Fault evaluation report for the Seal Cove
related faults: California Division of Mines and Geology,
FER-93, 9 p.

Danehy, E.A., 1978, Geologic investigation of APN. 037-61-100 and
130, Moss Beach, San Mateo County: Consulting report for
San Mateo County, August 3, 10 p.

JCP-Engineers & Geologists, Inc., 1978, Engineering geologic and
soil & foundation services for one homesite on 4th Street,
Montara, San Mateo County: Consulting report for San Mateo
County, December 11, 29 p.

JCP-Engineers & Geologists, Inc., 1979, Engineering geologic and
soil & foundation study for one structure on Sixth Street,
Montara, California: Consulting report for San Mateo County,
February 6, 26 p.

JCP-Engineers & Geologists, Inc., 1979, Engineering geologic and
soil & foundation studies for four homesites on Birch Street,
Montara, San Mateo County, California: Consulting report for
San Mateo County, October 10, 42 p.

JCP-Engineers & Geologists, Inc., 1979, Engineering geologic and
soil & foundation services for three lots on San Lucas and
San Ramon Avenues, Moss Beach, San Mateo County, California:
Consulting report for San Mateo County, October 15, 26 p.

JCP-Engineers & Geologists, Inc., 1979, Engineering geologic and
soil & foundation services for one homesite on 4th Street,
Montara, San Mateo County, California: Consulting report for
San Mateo County, October 29, 26 p.

JCP-Engineers & Geologists, Inc., 1979, Engineering geologic and soil & foundation study for property at intersection of Buena Vista and Montana Streets, Moss Beach, California: Consulting report for San Mateo County, October 29, 22 p.

JCP-Engineers & Geologists, Inc., 1979, Engineering geologic and soil & foundation study for one site on Buena Vista Street, Moss Beach, California: Consulting report for San Mateo County, October 30, 25 p.

JCP-Engineers & Geologists, Inc., 1979, Engineering geologic and soil & foundation study for one homesite on 7th Street, Montara, California: Consulting report for San Mateo County, December 3, 27 p.

Leighton, R. Beach, & Associates, 1971, Final engineering geologic report of the Seal Cove-Moss Beach area, County of San Mateo: Consulting report for San Mateo County, 16 p.

Prendergast, J.C., 1977, Engineering geologic investigation for parcel off intersection of Los Banos and Park Avenue, Moss Beach, California: Consulting report for San Mateo County, January 4, 18 p.

PSC Associates, Inc., 1978, Soil and geologic investigation, lots 21 and 22, Precita Avenue, Moss Beach, California: Consulting report for San Mateo County, June 22, 13 p.

Purcell, Rhoades & Associates, 1976, Geologic investigation, single family residence upon lot 37-25-259-16, Moss Beach, California: Consulting report for San Mateo County, May 5, 14 p.

Purcell, Rhoades & Associates, 1977, Soil and geologic investigation, single family residence on lots 17 and 18 in the southwest corner of the intersection of Dakota Avenue and Madrone Avenue, Moss Beach, California: Consulting report for San Mateo County, August 30, 19 p.

Soares, Abel R., and Associates, 1976, Soil, geologic and seismic investigation for Assessor's Parcel No. 37-255-0210, lots 16 and 17, La Grande Avenue in the Moss Beach district of San Mateo County: Consulting report for San Mateo County, June 29, 14 p.

Soares, Abel R., and Associates, 1976, Soil, geologic and seismic investigation for Assessor's Parcel No. 37-259-220, lots 29 and 30, San Ramon Avenue in the Moss Beach district of San Mateo County: Consulting report for San Mateo County, July 6, 15 p.

5. Summary of supplementary data.

Pursuant to the completion of FER-93, fifteen geologic reports, for single family dwellings in the Montara-Moss Beach area, were sent to

Earl Hart by San Mateo County Geologist, A.C. Neufeld. Trench locations and data from these reports are plotted and summarized on Figure 1 (this supplement). Faults were observed in three trenches located across previously mapped (Leighton & Associates, 1971) branch faults west of the main trace of the Seal Cove fault (Figure 1, this supplement). Fault features appear to extend into the topsoil in two of the three trenches.

No faults were observed in trenches located on branch faults mapped northeast of the main trace of the Seal Cove fault (Figure 1, this supplement).

6. Aerial photo interpretations and field observations.

Analyses of 1941 Fairchild Aerial Survey photographs and field observations for the Seal Cove faults are summarized on Figure 6 of FER-93 (Bedrossian, 1979). No new aerial photo interpretations or field investigations were made for this supplement.

7. Conclusions.

- A. Faults were observed in three of the fifteen reports recently received from San Mateo County. All three faults were observed in trenches across branch faults west of the main trace of the Seal Cove fault, within the existing SSZ.
- B. No faults were observed in trenches across branch faults northeast of the Seal Cove fault.
- C. Information in the fifteen new reports supports conclusions and recommendations made in FER-93.

8. Recommendations (Same as FER-93).

- A. Seal Cove fault. Retain existing main trace and SSZ, using the same references used in 1974.
- B. Two subsidiary faults northeast of the Seal Cove fault: Delete existing SSZ and fault traces.

9. Report prepared on June 10, 1980.

*I agree with
recommendations.
EHT
6/24/80*

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